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Sequence Listing was accepted.

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Reviewer: Saleem, Syed (ASRC)

Timestamp: [year=2010; month=4; day=5; hr=9; min=33; sec=34; ms=714;]

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Application No: 10576757

Version No: 4.0

Input Set:

Output Set:

Started: 2010-03-30 02:59:59.786

Finished: 2010-03-30 03:00:05.086

Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 300 ms

Total Warnings: 29

Total Errors: 0

No. of SeqIDs Defined: 29

Actual SeqID Count: 29

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Input Set:

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Actual SeqID Count: 29

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Winter Sederoff, Heike
Huber, Steven C
Larabell, Carolyn A

<120> SYNTHETIC PEPTIDES THAT CAUSE F-ACTIN BUNDLING AND BLOCK ACTIN
DEPOLYMERIZATION

<130> JIB-1571

<140> 10576757

<141> 2010-03-30

<150> US 60/513,275

<151> 2003-10-20

<160> 29

<170> PatentIn version 3.5

<210> 1

<211> 15

<212> PRT

<213> Artificial

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<223> synthetic consensus active Zea mays Sucrose Synthase (SuSy)
peptide

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<223> synthetic peptide derived from Zea mays SuSy3 protein

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<223> synthetic peptide derived from Drosophila melanogaster Actin 2
protein and Homo sapiens beta and gamma Actin proteins

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<212> PRT

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<223> synthetic peptide derived from Drosophila melanogaster Actin 3,
5, and 6 proteins and Homo sapiens alpha Actin protein

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<223> synthetic peptide derived from Drosophila melanogaster ARP1

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Lys

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<223> SS2 active peptide based on Zea mays SuSy 377-392

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Lys Lys

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<211> 9

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<223> SS16 less active synthetic peptide corresponding to short middle portion of SS12 synthetic peptide

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1 5

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Ser Lys Lys

<210> 16

<211> 14

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<223> SP26 inactive synthetic peptide

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Gly Arg Met Arg Arg Ile Ala Thr Val Glu Met Met Lys Lys

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<210> 17

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<223> Small block of SS12 sequence required for less active synthetic

peptide

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<223> SP3 inactive synthetic peptide

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Arg Arg Ile Ser Ser Val Glu Asp Lys Lys
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<223> synthetic peptide of Drosophila melanogaster Actin protein
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His Thr Phe Tyr
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synthetic peptide

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Tyr Leu Lys Lys
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 <222> (16)..(16)
 <223> X= Phe-Tyr-Leu or His-His-Thr-Phe-Tyr

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 1 5 10 15

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 Glu Xaa Gly Xaa Xaa Xaa Xaa Trp Xaa Xaa Xaa Xaa Xaa Xaa Trp
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<210> 27

<211> 15
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<220>
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1 5 10 15

<210> 28
<211> 16
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<223> X = Arg, Lys, Asn, or Thr

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<222> (5)..(5)

<223> X = Arg, Lys, Asn, or Asp

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<221> VARIANT

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<223> X = Ile, Asp, Asn, or Glu

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<221> VARIANT

<222> (8)..(8)

<223> X = Ser, or Asp

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<223> X = Arg, Met, or Ala

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<222> (10)..(10)

<223> X = Phe, or Glu

<220>

<221> VARIANT

<222> (11)..(11)

<223> X =Asp, Glu, Lys, Arg, or His

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<223> X =Val, or Ile

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<223> X =Pro, or His

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<222> (16)..(16)

<223> X =Leu, or Thr

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Gly Ile Xaa Xaa Xaa Trp Xaa Xaa Xaa Xaa Xaa Xaa Trp Xaa Xaa Xaa
1 5 10 15

<210> 29

<211> 13

<212> PRT

<213> Artificial Sequence

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<223> Formula (II) for synthetic active peptides

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<223> X = Lys, Arg, or His

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<223> X = any amino acid

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<222> (12)..(12)

<223> X = Lys, Arg, or His

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